

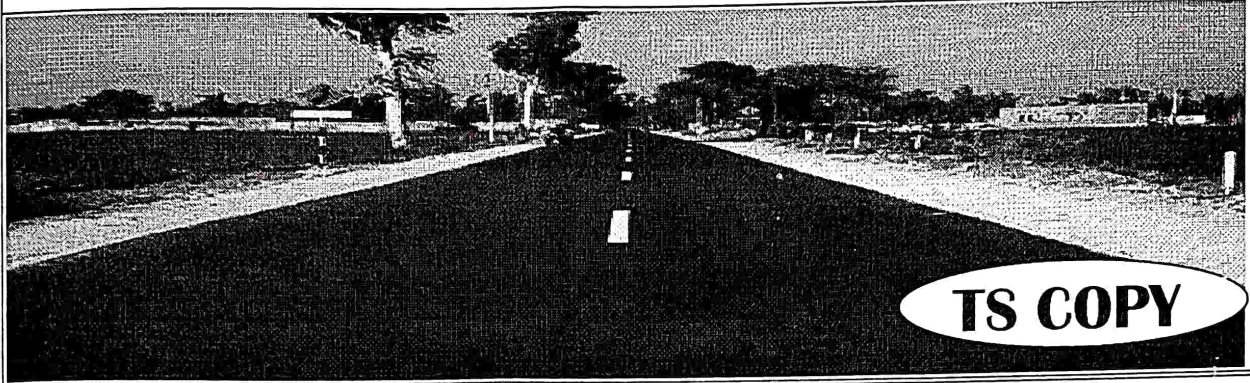


ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar



Mukhya Mantri Gram Sadak Unnayan Yojana (MMGSUY)



DETAILED PROJECT REPORT

STATE :-	Bihar	DISTRICT :-	Begusarai
DIVISION :-	Teghra	BLOCK :-	Bhagwanpur
NAME OF ROAD :-	Pashopur Takurbari chowk To Takurbari tak		
TOTAL LENGTH OF ROAD.	=	0.460 Km	
TOTAL CONSTRUCTION LENGTH OF ROAD	=	0.460 Km	
TOTAL COST OF CONSTRUCTION.	=	Rs. 24.055 Lacs	
COST OF ROAD CONSTRUCTION PER KM	=	Rs. 52.294 Lacs	
TOTAL COST OF 6 YEAR OPERATION & MANAGEMENT (O&M).	=	Rs. 2.800 Lacs	
(CONTINGENCY @1% & ADMINISTRATIVE COST @2.25%)	=	Rs. 0.873 Lacs	
TOTAL PROJECT COST	=	Rs. 27.727 Lacs	
YEAR (2024 - 2025)			

Submitted By :-
Executive Engineer
RWD (w) Division, Teghra
Begusarai

Prepared By:
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Mukhya Mantri Gram Sadak Unnayan Yojana (MMGSUY)

GENERAL ABSTRACT OF COST

Block:-- Bhagwanpur

District:- Begusarai

Construction Length Of Road:- 0.460 KM

Name Of Road:--

Pashopur Takurbari chowk To Takurbari tak

SL. No.	Item of Work	Amount
1	INITIAL RECTIFICATION WORKS .	19.212 Lacs
2	5TH YEAR PERIODIC RENEWAL COST .	0.685 Lacs
	TOTAL ESTIMATED COST (1+2)	19.897 Lacs
	Labour Cess @1%	0.199 Lacs
	Add Seigniorage Fee @10%	0.289 Lacs
	Sub Total	20.386 Lacs
	GST @18%	3.669 Lacs
A	TOTAL CONSTRUCTION COST (INC GST, LC @ SEIGN. FEE) SAY "A"	24.055 Lacs
3	SIX YEARS OPERATION & MANAGEMENT (O&M) COSTS AFTER COMPLETION OF CONSTRUCTION .	2.333 Lacs
	Labour Cess @1%	0.023 Lacs
	Add Seigniorage Fee @10% .	0.016 Lacs
	Sub Total	2.373 Lacs
	GST @18%	0.427 Lacs
B	TOTAL OPERATION & MANAGEMENT COST (INC GST, LC @ SEIGN. FEE) SAY "B"	2.800 Lacs
	SUB TOTAL COST (A+B)	26.855 Lacs
C	EMERGENT & PRICE ADJUSTMENT COST @ 15% OF "C"	0.000 Lacs
D	Contingency @ 1% OF "C"	0.269 Lacs
E	Administrative Cost @ 2.25% OF "C"	0.604 Lacs
F	TOTAL PROJECT COST (C+D+E+F)	27.727 Lacs
G		


3-3-2025
Junior Engineer

Asstt. Engineer


05/05/25
Executive Engineer

SE
RWD

AA = 31.007 Lakh, Length = 0.460 Km, Vide Letter No. 365, Date - 14-2-2023

For T.S

Const. Cost = 24.055 Lakh ✓

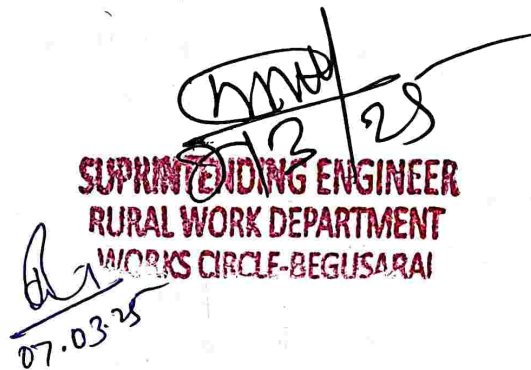
6 year maint. Cost = 2.800 Lakh ✓

Admin Cost = 0.604 Lakh ✓

Contingency = 0.269 Lakh ✓

Total Rs 27.728 Lakh ✓

Technically sanctioned for Rs 27.728 Lakh (Twenty Seven Lakh Seventy two thousand eight hundred) only


5/3/23
SUPERINTENDING ENGINEER
RURAL WORK DEPARTMENT
WORKS CIRCLE-BEGUSARAI
07.03.23

GENERAL ABSTRACT OF COST FOR MAINTENANCE OF ROAD

LINK ROUTE No.

NAME OF ROAD :

Pashopur Takurbari chowk To Takurbari tak

DISTRICT

Begusarai

BLOCK

Bhagwanpur

DIVISION

Teghra

CONST. LENGTH OF ROAD (KM)

0.460

LENGTH OF BT PAVEMENT (M)

0

LENGTH OF CC PAVEMENT (M)

460

AND STRUCTURES

HUME PIPE

0

CC SLAB CULVERT

0

BOX CELL CULVERT

0

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
PART-I	INITIAL RECTIFICATION WORKS.	
1	PREPARATORY WORKS ,SITE CLEARANCE , DISMANTLING	0.121
2	EARTHWORK	0.657
3	GSB GR-II	0.660
4	WBM GRADE III	0.000
5	WMM GRADE III	0.842
6	PRIME COAT	0.000
7	PATCH WORK USING MSS	0.000
8	TACK COAT	0.000
9	BM	0.000
10	SDBC	0.000
11	Edging with 1st Class Bricks, Lald Dry Length wise.	15.610
12	Cement Concrete Pavement (PQC)	0.000
13	Interlocking Concrete Block Pavement	0.000
14	DRAIN	0.000
15	PROTECTION WORK	1.246
16	ROAD FURNITURES , KM STONES , TRAFFIC & DIRECTION SIGN, MAINTENANCE BOARD,ROAD SAFETY &PLANTATION OF TREES.	0.000
17	CROSS DRAINAGE STRUCTURES	0.000
	HUME PIPE	0.000
	RCC	0.077
	BOX	0.000
	IRRIGATION PIPE (300 MM DIA)	0.000
	DISMANTLING OF CD	19.212
	REPAIR OF CD WORK	0.685
	SUB TOTAL OF INTIAL RECTIFICATION WORKS =	19.212
	5TH YEAR PERIODIC RENEWAL COST .	0.685
PART-II	TOTAL ESTIMATED COST (PART-I+PART-II)	19.897
	SIX YEARS OPERATION & MANAGEMENT (O&M) COSTS AFTER COMPLETION OF CONSTRUCTION .	
	I st Year	0.468
	II nd Year	0.497
	III rd Year	0.476
	IV th Year	0.476
	VI th Year	0.208
	VII th Year	0.208
	SUB TOTAL OF =SIX YEARS OPERATION & MANAGEMENT (O&M)	2.333
	TOTAL COST (without GST, LC and SF) (PART-I+PART-II+PART-III)(IN LACS) =	22.230

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Sl. No.	SDB No.	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (In Rs.)
SUB HEAD : CC PAVEMENT											
4	4.1	401 (ii)	Granular Sub-Base With Well Graded Material (Table 400.1) (By Mix In Place Method) For Grading II Material								
			Construction of granular sub-base by providing well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.								
			For Paver Block (for 3.0m Ex CC Portion)	Cum	2.00	460.00	0.350	0.100	32.20	2,048.50	65,962.00
			Net GSB Qty						32.20		
5	4.7	405 (3-B)	Wet Mix Macadam								
			Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tipper to site, laying in uniform layers in sub-base/base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100kN weight to achieve the desired density including lighting, barricading and maintenance of diversion, etc as per Tables 400.11 & 400.12 and Technical Specification Clause 406.								
			Existing PCC Portion (Widening)	Cum	2.00	460.00	0.350	0.075	24.15		
			Net WBM -3 Qty						24.15	3,484.66	84,155.00
5	6.4	1500	Cement Concrete Pavement (PQC)								
			Construction of un-reinforced, plain cement concrete pavement (M35 Grade) over a prepared sub base with 43 grade cement @ 400 kg per cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form paver, spread, compacted and finished in a continuous operation including provision of 0.5 x 0.5 panel, joint filler, separation membrane, sealant primer, joint sealant, debonding strip as approved, curing compound, finishing to lines and grades as per drawing.								
			OVERLAY OVER EX. PCC M(3.75 M)	Cum	1.00	460.00	3.75	0.125	215.63		
			In Profile & Pot Repair	Cum	5%	460.00	3.05	0.125	8.77		
			Add For Extra Widening On Curve	Cum	2%				4.313		
			Net Qty						228.71	6,825.41	15,61,049.00
											17,11,166.00
SUB HEAD : ROAD FURNITURES , KM STONES , TRAFFIC & DIRECTION SIGN ,MMGSY LOGO											
6	10.1	1700	Kilometre stone								
			Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC:8 fixing in position including painting and printing , etc as per drawing and technical specification clause 1703.								
			i) 5th km stone	No.	0					4,963.84	0.00
			ii) Km stone	No.	1					2,700.86	2,701.00
			iii) 200 m stone	No.	2					753.46	1,507.00
7	10.9	1700	Direction And Place Identification Signs With Size More Than 0.9 Sqm Size Board								
			Retro-reflectorised Traffic Signs Providing and erecting direction and place identification retro-reflectorised sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per approved drawing and Technical Specification Clause 1701.								

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3-3-2023
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